# SYSTEMS RESEARCH *and* BEHAVIORAL SCIENCE

VOLUME 22, ISSUE Nos.1–6

**Volume 22 Number 1** **January–February 2005**


1 Editorial: Fifty Years of *Behavioral Science*
*Mike C. Jackson*

3 The Use of the Concept Autopoiesis in the Theory of Viable Systems
*John Brocklesby and John Mingers*

11 Theory and Practice of Soft Systems Methodology: A Performative Contradiction?
*Jac Christis*

27 Sourcing Problem-Dissolving Questions
*Mike Metcalfe*

41 Identifying Those on Board 'The Moving Train': Towards a Stakeholder-Focused Methodology for Organizational Decision Making
*John Simmons, Paul Iles and Maurice Yolles*

55 The Mathematico-Symbolic Formulation of Teleonic Principles
*Gábor Horváth and Gyorgy Járos*

69 Connectivity as a Basis for a Systems Modelling Ontology
*Geoffrey L. Mason*

81 Notes and Insights
A List of 20 Papers that first appeared in the Journal *Behavioral Science*
*Mike C. Jackson*

83 Metadecisions: Invoking the Epistemological Imperative to Enhance the Meaning of Knowledge for Problem Solving
*John P. van Gigch*

91 News

93 Book Reviews


**Volume 22 Number 2** **March–April 2005**

A Hawkesbury Symposium: A Silver Jubilee Celebration of Systemic Initiatives
Guest Editor: Richard Bawden


105 Guest Editorial
*Richard Bawden*

109 An Emerging Model of a Systems Agriculturalist
*Ian Valentine*

119 Systemic Action Research for Postgraduate Education in Agriculture and Rural Development
*Roger Packham and Nadarajah Sriskandarajah*

131 The Researcher of Human Systems is Both Choreographer and Chorographer
*David Russell and Ray Ison*

139 Vortical Postmodern Ethnography: Introducing a Complexity Approach to Systemic Social Theorizing
*Lesley Kuhn and Robert Woog*

151 Systemic Development at Hawkesbury: Some Personal Lessons from Experience
*Richard Bawden*

165 News

181 Book Reviews

**Volume 22 Number 3** **May–June 2005**

183 Editorial
*Amanda J. Gregory*

185 The Role of Contestable Concepts in Transdisciplinary Management of Water in the Landscape
*Roger Attwater, Sandy Booth and Alasdair Guthrie*

193 A Transdisciplinary Learning Approach to Foster Convergence of Design, Science and Deliberation in Urban and Regional Planning
*Daniel B. Müller, Sybrand P. Tjallingii and Kees J. Canters*

209 Project Management Methodology for Stimulating Strategic Communication in Japan
*Yasuteru Ishino and Kyoichi Kijima*

223 A Systems Approach to Entropy Change in Political Systems
*Jong Heon Byeon*

233 Where There is No Vision the People Perish: Ethical Vision and Community Sustainability
*J. Donald R. de Raadt and Veronica D. de Raadt*

249 Systems Profile: John N. Warfield 1925 to Now
*John N. Warfield*

261 Cyber Law: Case Studies in the SME Environment
*M. J. Taylor, J. McWilliam, D. Gresty and M. Hanneghan*

269 News

273 Book Review

**Volume 22 Number 4** **July–August 2005**

Geoffrey Vickers 2004: Contemporary Applications and Changing Appreciative Settings
Guest Editor: Professor Ray Ison

277 Editorial
Geoffrey Vickers 2004: Contemporary Applications and Changing Appreciative Settings
*Ray Ison*

285 Webs of Significance: The Work of Geoffrey Vickers
*Peter Checkland*

291 Geoffrey Vickers: Philosopher of Responsibility
*Garrath Williams*

299 Integrative Research as Appreciative System
*Nick Winder*

311 Human Systems and Global Governance
*Jim Whitman*

319 Geoffrey Vickers and a Systemic Approach to Globalization
*Margaret Blunden*

329 Learning to Appreciate Learning Systems for Environmental Decision Making – A 'Work-in-Progress' Perspective
*Christine Blackmore*

343 Sir Geoffrey Vickers: Some Thoughts on His Life and Ideas
*Nevil Johnson*

345 Statement at the Open University on the Occasion of the Launch of the Sir Geoffrey Vickers Archive
*Jeanne Vickers*

347 Memories of Geoffrey
*Peter Miller*

349 My Grandfather Geoffrey Vickers: His Influence on My Life and Work
*Anne Miller*

351 News

**Volume 22 Number 5** **September–October 2005**

ISSS Yearbook
Fifty Years of Systems Science
Guest Editor: Kenneth D. Bailey

353 Editorial
*Kenneth D. Bailey*

355 Fifty Years of Systems Science: Further Reflections
*Kenneth D. Bailey*

363 The Study of Pathology and Living Systems Theory
*G. A. Swanson*

373 *Living Systems* and its Philosophy Considered at the Level of the Earth
*Tage Frandberg*

385 Combining a Systems Framework with Epidemiology in the Study of Emerging Infectious Disease
*Jennifer M. Wilby*

399 Anticipatory Systems and Time: A New Look at Rosennean Complexity
*Judith Rosen and John Jay Kineman*

413 Life and Simple Systems
*Ron Cottam, Willy Ranson and Roger Vounckx*

431 Negotiated Order and Network Form Organizations
*Annaleena Parhankangas, David Ing, David L. Hawk, Gosia Dane and Marianne Kosits*

453 The Practice of Information System Development and Use: A Dialectical Approach
*Ann Lind and Bertil Lind*

465 News

**Volume 22 Number 6** **November–December 2005**

469 Editorial
*Amanda J. Gregory*

471 System and Environment: Notes on the Autopoiesis of Modern Society
*Raf Vanderstraeten*

483 Nested Institutions and the Retardation of the Adaptive Process
*Sung Chull Kim*

497 Beyond System Internals: Expanding the Scope of Living Systems Theory
*Kenneth D. Bailey*

509 The Ideal of Autonomy from the Viewpoint of Functional Differentiation/Integration of Society
*Ioanna Tsivacou*

525 Determining Value in Organizations: Myths, Norms, Facts and Values
*Misha Hebel and Christopher J. Davis*

537 'Conjecture-First' Problem Solving
*Mike Metcalfe*

547 Information versus Inertia: A Model for Product Change with Low Inertia
*Jan Österlund and Eva Lovén*

561 Knowledge Resources: Critical Systems Thinking, Viable System Model and 'Gifts'
*Chong Ju Choi and Brian Hilton*

565 Legal Considerations for Cyber-Activism
*David W. Gresty, Mark J. Taylor and Janet Lunn*

571 Obituary – Alfred Locker (March 19, 1922 – February 12, 2005)
*Markus Locker*

577 Author Index

579 Keyword Index

iii Volume Contents